

# CERL Employees Receive ERDC and Army Awards

Employees at the Construction Engineering Research Laboratory (CERL) were honored at the lab's annual Engineer Day festivities with awards from the Department of the Army and CERL's parent organization, the Engineer Research and Development Center (ERDC).



**McInerney**

**Michael McNerney**, CERL Materials and Structures Branch, was named Corps of Engineers\ **ERDC Researcher of the Year**. He was recognized for advancing the state of the art for ultrasonic nondestructive testing (NDT). McNerney led the development of an ultrasonic technique for quantitatively measuring the tension in both exposed and buried post-tensioned steel members. All NDT tension measurement methods previous to this one provide only a qualitative measure of the tension. The U.S. Patent Office granted McNerney patent 7,614,303, "Device for Measuring Bulk Stress via Insonification and Method of Use Therefor," for this invention.

Two teams received the **ERDC Research and Development Achievement Award**:

(1) **Richard Lampo**, **James Wilcoski**, and **Vincent Hock** received the They were recognized for developing an innovative thermoplastic composite bridge that uses recycled plastic as a cost-effective alternative to timber construction. The new design resulted in construction of the first ever thermoplastic bridge capable of supporting a 70-ton M-1 Abrams tank at Fort Bragg, N.C. The bridge used 85,000 pounds of materials otherwise destined for landfills and has an expected service life of at least 50 years.



**Lampo**



**Wilcoski**



**Hock**



**Ginsberg**



**Arnett**

(2) **Mark Ginsberg**, **Vincent Hock** and **Clint Arnett** were cited for developing new computational models predict the transport and hydrolysis of chemical and biological contaminants in potable water systems. The models are more rapid and affordable than previous methods, which will enhance the quality of vulnerability assessments and real-time control of contaminants at military installation and municipal water supply systems.

Two teams won the **ERDC Program Development Achievement Award**:

(1) **Vincent Hock** was honored for professionalism in leading the Facilities Working Integrated Product Team, which is part of the Department of Defense Corrosion Prevention and Control program. In this role, he leads a tri-service team that tests, evaluates, demonstrates, and validates technology to mitigate corrosion at defense sites.



**Marrano**



**Grussing**



**Bartels**



**Karbarz**

(2) **Lance Marrano**, **Michael Grussing**, **Louis "Buddy" Bartels**, **Joe Karbarz**, and **Kelly Dilks** were lauded for significant contributions to ERDC-CERL as the Department of Defense lead laboratory for Sustainment Management Systems. Their efforts in making

the **BUILDER** system a robust, affordable asset management program led to its acceptance and use by the Army, Navy, Air Force, Marine Corps, and other agencies.

**Lance Marrano** and **Michael Grussing** received the **ERDC Outstanding Achievement in Technology Transfer Award**. They were commended

for implementing a new way of transferring the CERL-developed BUILDER Sustainment Management System to the private sector by which multiple vendors are licensed to sell the program. This process reduces contract service costs for military installations and other BUILDER users while providing a revenue stream for CERL to continue enhancing the system.

**Jeff Mifflin and Bruce MacAllister** received the **ERDC Technical Support Achievement Award**



**MacAllister**



**Mifflin**

in recognition of their outstanding technical contributions in support of CERL's military training noise research and development program.

They brought the capabilities, creativity, teamwork, and dedication necessary for successful execution of this diverse program.

A team of five received the **Department of the Army Achievement Medal for Civilian Service**. **Lance Marrano, Michael Grussing, Louis Bartels, Bruce Rives, and Veda Scarpetta** were cited for successfully integrating the U.S. Navy facilities Condition Assessment Program Baseline Inventory data into Single Platform Maximo and the BUILDER Sustainment Management System. Completing this complex project on a very short schedule greatly influenced the Navy's decision to adopt BUILDER enterprise-wide.



**Rives**



**Scarpetta**

**Susan Frederick**, ERDC Resource Management office, received the **Department of the Army Achievement Medal for Civilian Service**. She



**Frederick**

was recognized for excellence in supporting the transition of the Corps of Engineers information technology team, reworking the University of Illinois student billing process, upgrading the Corps' financial management system, and military financial reporting.

Her innovation and perseverance set the example for outstanding achievement.

**Kelly Dilks** received the **Department of the Army Superior Civilian Service Award** for outstanding service to the U.S. Army Technology Standards Group (TSG) and as program manager for the Installation Technology Transfer Program (ITTP). her role in establishing and facilitating the TSG has promoted standardization of beneficial operations and maintenance (O&M) technologies for U.S. military installations worldwide. As ITTP program manager, Dilks identified viable emerging technologies that have produced a \$200 million reduction in Army O&M costs.

The **Department of the Army Achievement Medal for Civilian Service** was awarded to **Mary Kuczera** for her contributions as acting chief, Budget Division, ERDC Resource Management office. She was responsible for improved management of customer funds and for enhanced reporting in connection with American Reinvestment and Recovery Act funding. She demonstrated excellent customer support and team leadership.



**Kuczera**

**Lance Marrano** received the **Commander's Award for Civilian Service**. He was recognized for sustained efforts in developing the BUILDER system into an industry-leading software tool for enterprise-level facility asset management. The award also cited his work in securing U.S. Patents for BUILDER and for outstanding technology transfer efforts that reduced the cost of implementing this technology for both government and private sector users.